

Having thus described the invention, it is claimed:

1. An apparatus for filtering molten metal before entering a dosing tube, the apparatus comprising an mounting portion; a filter body connected to the mounting portion, the filter body having a substantially flat end opposite the mounting portion; and a substantially planar surface attached to and substantially covering the substantially flat end.
2. The apparatus of claim 1 wherein the mounting portion is adapted to fit around the dosing tube.
3. The apparatus of claim 1 wherein the filter body is substantially cylindrical.
4. An apparatus for filtering molten metal held in a vessel before the metal enters a dosing tube, the apparatus comprising:
 - an attachment portion adapted to attach to the dosing tube; and
 - an closed filtering surface area attached to and extending from the attachment portion to provide a filtering surface.
5. The apparatus of claim 4 wherein the attachment portion is annular.
6. The apparatus of claim 4 wherein the closed filtering surface area comprises a cylindrical portion having a beveled end distal the attachment portion and a planar surface attached to the beveled end.
7. The apparatus of claim 4 wherein the closed filtering surface area includes a portion adapted to rest on a bottom of the vessel.
8. The apparatus of claim 6 wherein the planar surface rests on a bottom of the vessel.
9. A filter adapted to fit around an associated dosing tube comprising:
 - silicon carbide or aluminum oxide; and

an aluminum-alloy resistant binder.

10. The filter of claim 9 further comprising:
a connection portion adapted to mount to the dosing tube; and
an enclosed body attached to the connection.